

Program Wednesday October 31st

- 09:30 Welcome
Head of School Hans-Jørgen Albrechtsen, DTU Environment
- 09:45 Impact of time displaced precipitation estimates for online updated models
Morten Borup (DTU Environment)
- 10:20 Greybox modelling and real time control
Roland Löwe, DTU Informatics
- 10:55 Break
- 11:10 Evaluation of modelled high resolution spatio-temporal precipitation
Hjalte Jomo Danielsen Sørup, DTU Environment
- 11:45 Quantitative potentials of alternative rainwater management techniques
Sara Lerer, DTU Environment
- 12:00 Lunch
- 13:00 Hot topics in monitoring and modelling of wastewater systems
Keynote speaker Peter Vanrolleghem, Université Laval, Canada
- 13:45 Break
- 14:00 Phylogenetic comparison of microbial communities in Danish waterworks using pyro-sequencing
Arda Gülay, DTU Environment
- 14:35 Relating dynamic conditions to the performance of biological rapid sand filters used to remove ammonium, iron, and manganese from drinking water
Carson Odell Lee, DTU Environment
- 15:10 Break
- 15:30 Biological removal of manganese and iron in rapid sand filters
Katie Lin, DTU Environment
- 16:05 Nitrification activity in biofilters for drinking water treatment
Karolina Tatari, DTU Environment
- 16:40 Round-off day 1
Hans-Jørgen Albrechtsen, DTU Environment
- Free
- 17:15 Social activity: 'Young' Guns ☺
- 19:45 Dinner
- 21:45 Nightcaps and games

Program Thursday November 1st

- 09:00 Good morning
Hans-Jørgen Albrechtsen, DTU Environment
- 09:10 Sustainability assessment of water supply technologies in Copenhagen by using life-cycle, freshwater withdrawal impact and multi-criteria
Berit Godskesen, DTU Environment
- 09:45 The continued story of pH and swimming pools
Kamilla Maria Speht Hansen, DTU Environment
- 10:20 Break
- 10:50 Community dynamics and process performance in single stage nitrification/anammox reactors
A. Gizem Mutlu, DTU Environment
- 11:25 Sensitivity analysis of autotrophic N removal by a granule based bioreactor: Influence of mass transfer versus microbial kinetics
Anna Katrine Vangsgaard, DTU Chemical Engineering
- 12:00 Lunch
- 13:00 Optimizing control of the integrated urban wastewater system
Ane Loft Mollerup, DTU Chemical Engineering
- 13:35 Uncertainty quantification of extreme rainfall projections from a multi-model ensemble of climate model
Maria Antonia Sunyer Pinya, DTU Environment
- 14:10 Break
- 14:30 A Bayesian network for estimation of damage due to pluvial flood hazards in an urban environment under non-stationary condition
Helena Lisa Alexandra Åström, DTU Environment
- 15:05 Modelling the fate and optimizing the removal of selected xenobiotic organic micropollutants from point and network water resources
Fabio Polese, DTU Environment
- 15:40 Round-off
Hans-Jørgen Albrechtsen, DTU Environment
- 15:50 Goodbye